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Claims

1. A frost resistant heating/cooling fluid containing alkali salts of acetic acid and/or formic acid,

characterized in that it also contains a corrosion inhibitor in the form of a mixture of a C₅-C₁₆ monocarboxylic acid or alkali-, ammonium-, or amino-salts of said acid, a C₅-C₁₆ dicarboxylic acid or alkali-, ammonium- or amino-salts of said acid, and also a triazole.

2. A cooling fluid according to claim 1,

characterized in that it contains between 5 and 50 weight-% alkali salts of acetic acid and/or formic acid calculated on the weight of the fluid.

3. A cooling fluid according to claim 1 or 2,

characterized in that it contains between 0.4 and 10 weight-%, preferably between 0.5 and 2 weight-% of the corrosion inhibitor, calculated on the total weight of the cooling fluid.

4. A cooling fluid according to any one or any of the preceding claims,

characterized in that it contains between 0.02 and 3 weight-% of the monocarboxylic acid or alkali-, ammonium- or amino-salts of said acid, calculated on the total weight of the cooling fluid.

5. A cooling fluid according to claim 4,

characterized in that it contains between 0.02 and 3 weight-% of the dicarboxylic acid or alkali-, ammonium- or amino-salts of said acid, calculated on the total weight of the cooling fluid.

6. A cooling fluid according to claim 4 and 5,

characterized in that it contains between 0.02 and 2 weight-% triazole calculated on the total weight of the cooling fluid.

7. A cooling fluid according to any one of any of the preceding claims, characterized in that said monocarboxylic acid is an aliphatic C₅-C₁₆ monocarboxylic acid, preferably selected from the group of octanoic acid, nonanoic acid, decanoic acid, undecanoic acid or dodecanoic acid, 2-ethyl hexanoic acid and neodecanoic acid.

8. A cooling fluid according to any one or any of the preceding claims, characterized in that said dicarboxylic acid is a C₈-C₁₂ aliphatic dicarboxylic acid selected from the group of suberic acid, azelaic acid, sebacic acid, undecanoic di-acid, dodecanoic di-acid and the di-acid of di-cyclopentadienylide.

9. A cooling fluid according to any one or any of the preceding claims, characterized in that said dicarboxylic acid is a C₈-C₁₂ aromatic dicarboxylic acid, preferably terephthalic acid.

10. A cooling fluid according to any one or any of the preceding claims, characterized in that the triazole is tolyltriazole or benzotriazole.